

UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS WELL LOG ELECTRIC LOGS x FILE x WATER SANDS LOCATION INSPECTED SUB REPORT abd

***10-30-79 Approval given to drill replacement well-footage location moved(original Federal #6 plugged & abandoned-unable to produce gas)**

890131 Cng of opn ft 12-1-88

DATE FILED

LAND FEE & PATENTED

STATE LEASE NO

PUBLIC LEASE NO

U-03759

INDIAN

DRILLING APPROVED:

10-30-79 (RIG SKID)

SPUDDED IN:

COMPLETED

PUT TO PRODUCING:

INITIAL PRODUCTION:

GRAVITY A.P.I.

GOR

PRODUCING ZONES:

TOTAL DEPTH:

WELL ELEVATION

DATE ABANDONED:

La'd 10-30-80

FIELD:

~~Wildcat~~

Greater Cisco Area

UNIT

COUNTY

GRAND

WELL NO

JV 6A**43-019-20415**

LOCATION

1981'

FT FROM (N) (S) LINE.

 x **685'**FT FROM ~~(N)~~ (W) LINE. x **SW NW**

1/4 - 1/4 SEC

4

TWP

RGE

SEC

OPERATOR

TWP

RGE

SEC

OPERATOR

21 S**23 E****4****VUKASOVICH DRILLING CO**

UTAH DIVISION OF OIL AND GAS CONSERVATION

REMARKS: WELL LOG _____ ELECTRIC LOGS _____ FILE XX WATER SANDS _____ LOCATION INSPECTED _____ SUB. REPORT/abd.

*10/30/79 - approval given to drill replacement well - footage location moved. (Original Fed. #6 well plugged & abandoned). Unable to produce gas.

DATE FILED 1-19-73

LAND: FEE & PATENTED _____ STATE LEASE NO. _____ PUBLIC LEASE NO. X U-03759 INDIANDRILLING APPROVED: 1-19-73 *10/30/79SPUDED IN: 4-16-73COMPLETED: 4-25-73 PUT TO PRODUCING: STGW

INITIAL PRODUCTION:

GRAVITY A.P.I.

GOR:

PRODUCING ZONES: 1196'-1200' , 1227' 1229'TOTAL DEPTH: 1303'WELL ELEVATION: 4206' KB

DATE ABANDONED:

FIELD: Wildcat Greater Greco Area *10-30-80 PA'd

UNIT:

COUNTY: Grand JVWELL NO. FEDERAL NO. 6A *APT. NO: 43-019-30128 00415LOCATION 1956' FT. FROM (N) XX LINE, 660'FT. FROM XX (W) LINE. C SW NW $\frac{1}{4}$ - $\frac{1}{4}$ SEC. 4*1981' FNL & 685' FWL*SW NW⁶

TWP.	RGE.	SEC.	OPERATOR	TWP.	RGE.	SEC.	OPERATOR
<u>21 S</u>	<u>23 E</u>	<u>4</u>	<u>YUKASOVICH DRILLING CO.</u>				

VUKASOVICH DRILLING, INC.
3964 South State
Salt Lake City, Utah 84107

U. S. Geological Survey
Conservation Division
2000 Administration Building
1745 West 1700 South
Salt Lake City, Utah 84104

Attn: Mr. E. W. Gynn
District Engineer

18 October 79

RE: Vukasovich 10A, 9A, 6 A

Reference the attached well applications, the proposed well locations will remain on the originally approved drill pads. No additional surface disturbance will occur.

The originally submitted drilling program for the requested operations will be followed. The 7-point completion and new exhibits are attached.

Gas gathering facilities presently exist to each of the well sites, which will enable the operator to save all gas which may be discovered. New meter calibrations will be completed for each well by Northwest Pipeline personnel. The USGS will be notified prior to the calibrations so that USGS may have a representative present.

The drilling program attached was successful on the redrilling of the Vukasovich *8A, and 4A wells. Both of these wells originally discovered production, but became uncommercial due to the completion methods which were utilized.

Sincerely,


Dean H. Christensen
Agent

CC: Division of Oil, Gas, & Mining



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

2. TYPE OF WELL

OIL
WELL ☐GAS
WELL ☒

OTHER

SINGLE
ZONE ☐MULTIPLE
ZONE ☐

3. NAME OF OPERATOR

VUKASOVICH DRILLING CO.

4. ADDRESS OF OPERATOR

3964 South State, Salt Lake City, Utah

5. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface

685' FWL & 1981' FNL, Sec. 4, T. 21 S, R. 23 E

At proposed prod. zone

SW NW

6. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

4 Miles Northwest of Cisco, Utah

7. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

685'

8. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

35.5'

9. ELEVATIONS (Show whether DF, RT, GR, etc.)

4520' GR

10.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12"	9 5/8"	23#	150'	Cemented to Surface
7 7/8"	7"	20#	1270'	150' above highest hydrocarbon zone

11. LEASE DESIGNATION AND SERIAL NO.

U-03759

12. IF INDIAN, ALLOTTEE OR TRIBE NAME

13. UNIT AGREEMENT NAME

14. FARM OR LEASE NAME

J. Vukasovich

15. WELL NO.

JV 6A

16. FIELD AND POOL, OR WILDCAT

Cisco Field

17. SEC., T., R., M., OR BLK.
AND SURVEY OR AREASW, NW
Sec. 4, T. 21 S, R. 23 E

18. COUNTY OR PARISH

Grand

Utah

19. NO. OF ACRES IN LEASE

1589.52

20. NO. OF ACRES ASSIGNED
TO THIS WELL

160

21. ROTARY OR CABLE TOOLS

Rotary

22. APPROX. DATE WORK WILL START*

Aug., 1979

Mancos "A" Zone 1024'
Dakota 1096'
Morrison 1282'

REMARKS: This well to be drilled 25' East and 25' South of the original Vukasovich #6 well. This proposed location will remain on the originally approved site. The Operator will complete the well as an open hole completion into the Morrison Formation. Geological control is based upon the log data from the original well. The Operator will not log this hole but will rely upon original well data. The formation sand has proven to be so fragile that the introduction of any drilling and/or cement fluids will in the opinion of the Operator, preclude the possibility of any potential hydrocarbon production. See attached completion and well control data.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

23.

SIGNED

BA Hastings

TITLE Agent

DATE 7/3/79

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY

TITLE

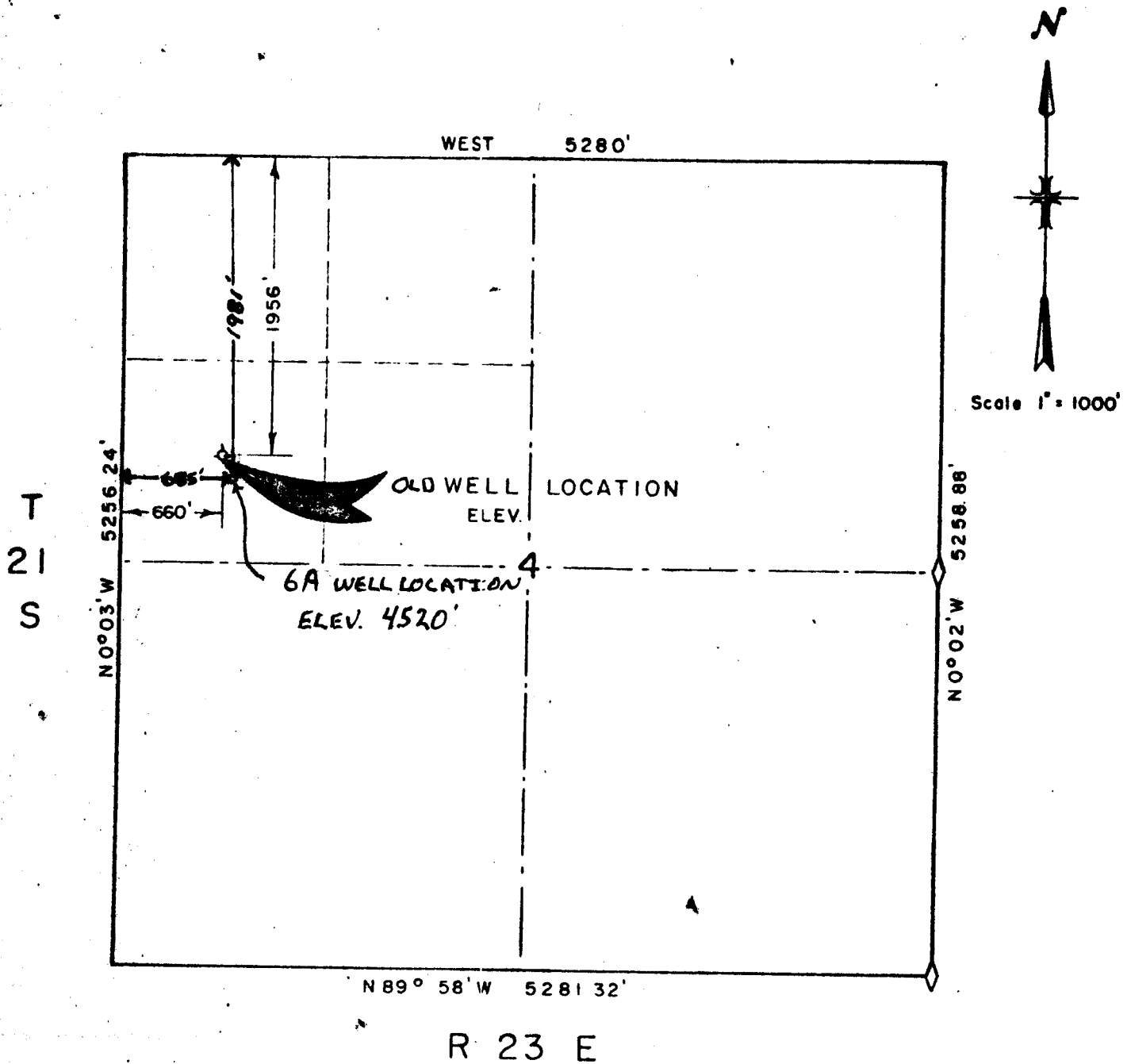
DATE

OCT 18 1979

DIVISION OF
GAS & MINING

*See Instructions On Reverse Side

WELL LOCATION
SW 1/4 NW 1/4 SECTION 4
T21S R23E SLB&M.



NOTE

Location to be 100' by 100'
Topography - Flat
Vegetation - Sparse, desert type

I, Richard J. Mandeville do hereby certify that this plat was plotted from available notes from other surveys. Actual surveys for location as shown and for elevations to be made when weather permits.

Registered Land Surveyor

UPDATED 7/3/79
by BH HASTINGS

WESTERN ENGINEERS, INC.
WELL LOCATION

J. VUKASOVICH NO. 6A

GRAND COUNTY, UTAH

SURVEYED _____ DRAWN _____

GRAND JUNCTION, COLO. 1/5/73

Vukasovich Drilling, Inc
3964 South State Street
Salt Lake City, Utah 84107

Division of Oil, Gas, & Mining
1588 West North Temple
Salt Lake City, Utah 84116

Attn: Mr. Cleon B. Feight
Director

October 18, 1979

RE: Vuk 10a, 9a, & 6a

Mr. Feight:

Application is herewith made for permission to re-drill the above referenced wells. The original wells were capable of commercial gas production but were damaged to such a degree during completion, that they are now incapable of producing.

The operator herewith agrees to properly plug and abandon the other existing well.

Sincerely,

Dean H. Christensen
Dean H. Christensen
Agent

not a re-drill

OK as a replacement well

f



7-Point Completion

1. Casing :

Operator will set 150' of 9 5/8", 32.5# #1 Grade (New) as the surface casing, into the mancos shale. This casing will be cemented back to the surface. A string of 7" 23.5# new #1 grade will be cemented into place to a point determined to be approximately 15-20' above the zone of opportunity. This casing will be cemented into place to a point approximately 150-200' above the highest water or hydrocarbon zone encountered in the hole.

2. Casing head and Flanges :

A larking 4 1/2" stripping head will be flanged to a nipple which will be screwed into the 8 1/2" gate valve which is to be attached to the 7" casing. (See schematic and other data attached)

3. Intermediate Casing:

No required.

4. Blowout Preventer:

A hydrill 10" 3000 psi stripping and bladder type bop will be utilized. This BOP is capable of closing blind and will allow the operator to strip up to 9 5/8" casing into the well bore. Two (2) fill and kill nipples will be welded into the surface casing below the BOP and Grant Rotating head, which will be set on top of the BOP.

5. Auxillary Equipment:

A 3 1/2" sub with a 2" valve will be stubbed into the drill pipe for testing and cementing.

6. Bottom Hole Pressure:

Due to the operators experience in drilling shallow wells in the immediate area, experience has proven that no well has had a bottom hole pressure in excess of 800 psi. However, the Operator is prepared to handle up to 3000 psi.

7. Drilling Fluids:

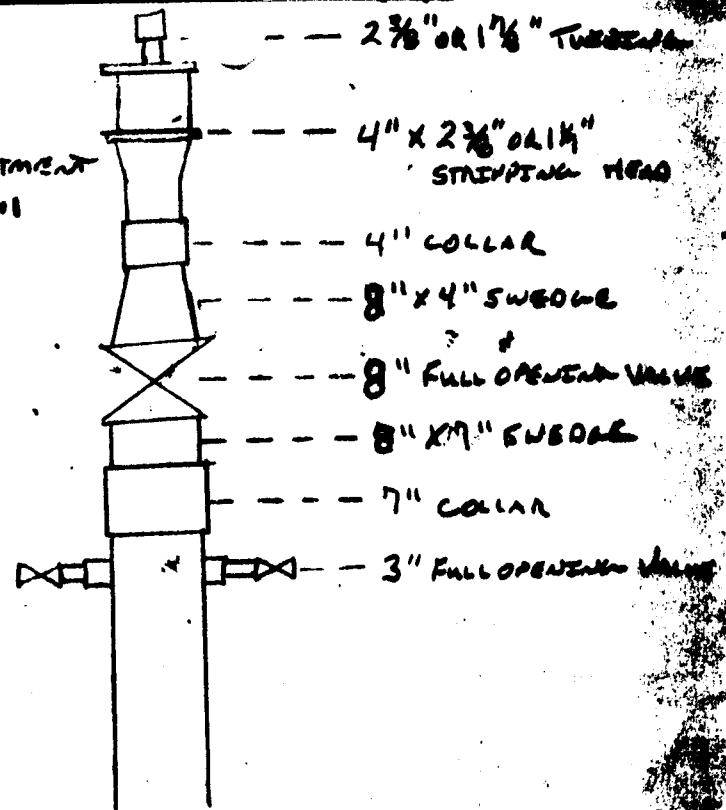
The operator will drill surface hole with gel based drilling mud. Compressed air will be utilized as a circulating medium until water or oil is encountered, which is sufficient to preclude continued operations with air. In the event that a fluid medium is necessary, a salt based polymer will then be utilized. 100 barrels of salt water will be located on the site, but will not be mixed until such time as is determined by the driller on Tower.

SUPPLEMENTARY WELL CONTROL AND COMPLETION DATA:

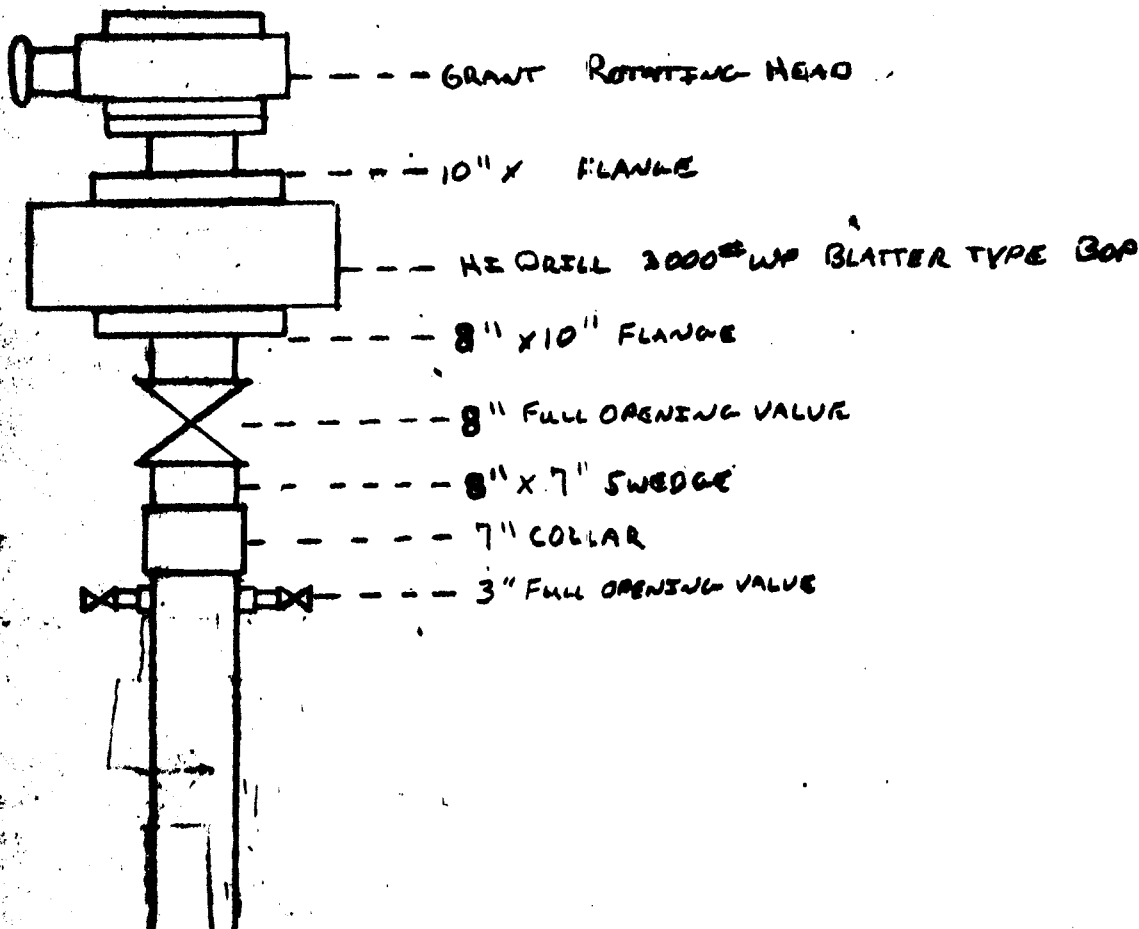
Due to the previous results of drilling approximately twenty five wells in the immediate vicinity of Cisco, Utah, the Operator now concludes that the introduction of any fluids into potentially commercial hydrocarbon zones will preclude the successful development of those encountered hydrocarbons. The operator therefore submits the following drilling proposal as a potentially successful answer to our previous lack of success:

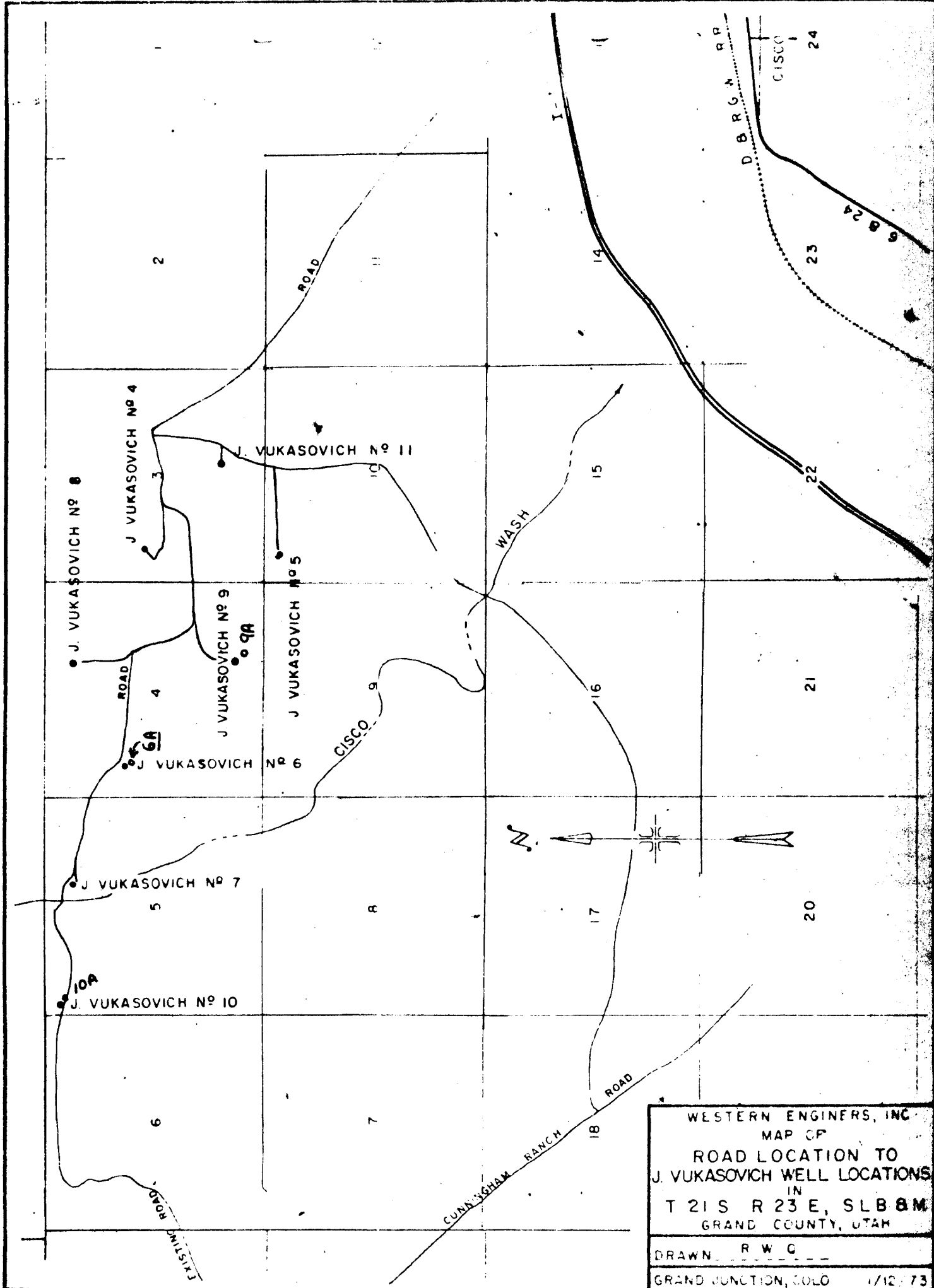
- a. Drill to a point approximately five (5) feet above the highest previously encountered commercial natural gas zone, set and cement a 7" production string of casing. Allow a twelve (12) hour hardening time and then drill through the 7" casing with a 6 1/4" bit into the zone of gas, which was previously encountered.
- b. The Operator will then remove the drill string from the hole through the Shaffer, 8" - 3000# BOP which is a bladder type BOP. Any excess of gas pressure will be relieved through two 2" fill and kill lines which will be welded to the 7" casing string below the BOP. This gas will be vented directly into the presently installed gas line, which will preclude any open flame or loss of the resource. This gas can be metered. As a further protection and surface control measure, the BOP will be set on top of a full opening 8" valve, which will remain in place and become a part of the well head. This 8" valve will give the Operator the ability to maintain the well in a live status, venting the encountered gas through the 2" fill and kill valves, with the 8" valve closed, while the BOP, and Rotating head is being removed from the 7" casing. Once the BOP and Rotating head have been removed, the Operator will install a well head with stripping rubbers which has a 2000 psi working pressure. Once the well-head is in place, the operator will be able to strip the tubing and production nipple into the well, with no loss of gas or threat of gas to the rig floor.
- c. No electric logs will be run since adequate logs were run on the previously drilled well.
- d. The only surface disturbance will be a reserve pit to catch the drill cuttings and air mist returns. All garbage and waste materials will be buried. Any drill fluids will be hauled from the site. Access and drill pad will be the existing access and drill pad for Vukasoovich Well #6.

SURFACE EQUIPMENT
"COMPLETION"

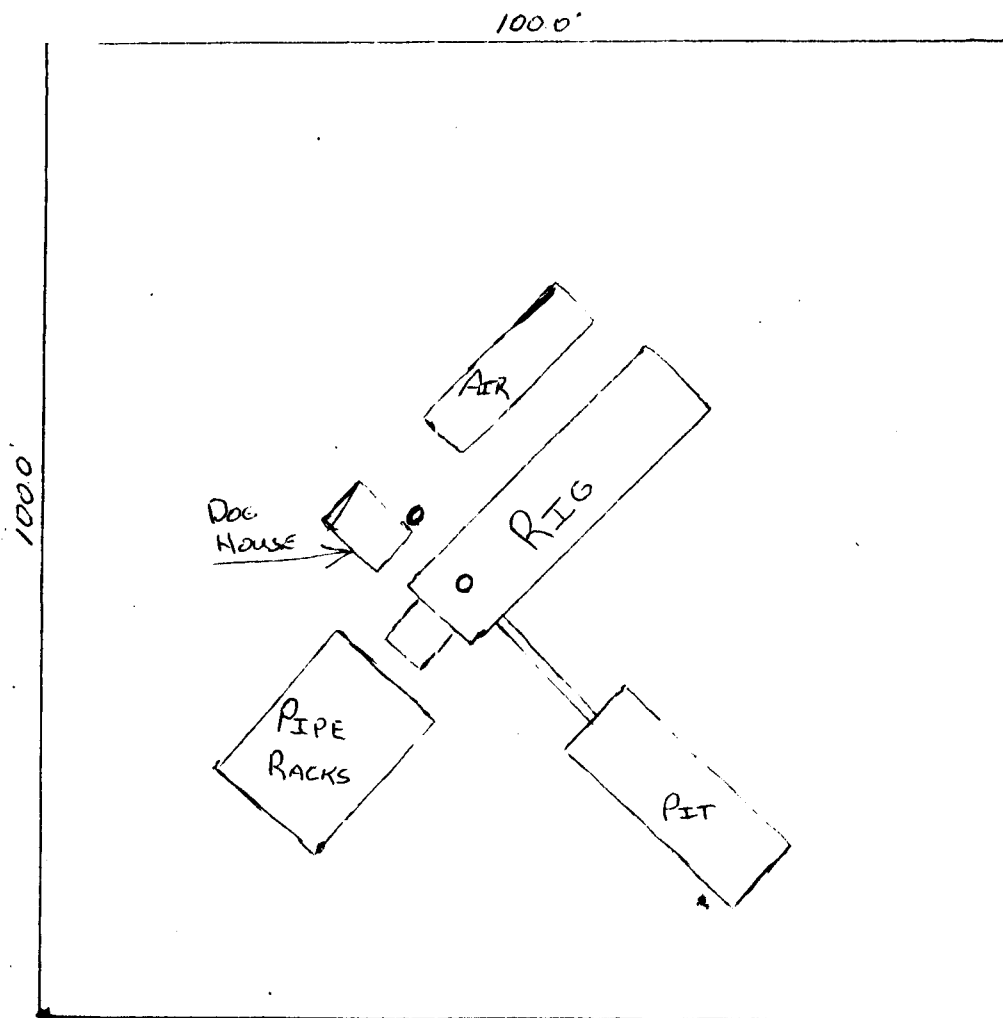


SURFACE EQUIPMENT
"DRILLING"





T
21
S



SITE LAYOUT
VUKASOVICH NO. 6A
GRAND COUNTY, UTAH

R 23 E

October 30, 1979

Vukasovich Drilling, Inc.
3964 South State Street
Salt Lake City, Utah 84107

Re: Well No. Federal #6, Sec. 4, T. 21S, R. 23E., Grand County, Utah
Well No. Federal #9, Sec. 4, T. 21S, R. 23E., Grand County, Utah
Well No. Federal 10, Sec. 5, T. 21S, R. 23E., Grand County, Utah

Approval to drill replacement wells for the above referenced wells
is hereby granted.

However, the original well at each location must be plugged and
abandoned prior to producing each replacement well.

If you have any questions, please contact me.

The API numbers for the new wells are the same as the old original-
Federal #6A 43-019-30128; Federal #9A 43-019-30143; Federal 10A
43-019-30141.

Sincerely,

DIVISION OF OIL, GAS AND MINING

Cleon B. Feight
Director

/b:tn

cc: USGS



SCOTT M. MATHESON
Governor

OIL, GAS, AND MINING BOARD

GORDON E. HARMSTON
Executive Director,
NATURAL RESOURCES

STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL, GAS, AND MINING

1588 West North Temple
Salt Lake City, Utah 84116
(801) 533-5771

CLEON B. FEIGHT
Director

CHARLES R. HENDERSON
Chairman

JOHN L. BELL
C. RAY JUVELIN
THADIS W. BOX
CONSTANCE K. LUNDBERG
EDWARD T. BECK
E. STEELE McINTYRE

November 21, 1979

Vukasovich Drilling
2570 Elcamino Real West
Mtn. View Cal. 94040

Gentlemen:

Attached is a copy of the final order in Cause No. 102-16B.

You will note that this order requires a copy of the property or lease line to be filed with the Application for Permit to Drill. If this only covers the pertinent section, so state.

No new Applications for Permit to Drill will be granted unless all required forms on existing wells are up-to date. Also, some operators have not been submitting their 2 mill conservation levy as authorized under Section 40-6-14, Utah Code Annotated, 1953, as amended. The required sales report, Form 5, may be obtained upon request from this office.

Sincerely,

DIVISION OF OIL, GAS AND MINING

Cleon B. Feight
Cleon B. Feight
Director

/b:tm

cc Well Files



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

100101

September 12, 1986

TO: Well File
FROM: Mary Alice Peterson
RE: API Number for The Federal No. 6A : Vukasovich
Drilling Co., located 21S 23E sec. 4 Grand County

The Federal No. 6 was originally assigned the API No. 43-019-30128, it was P&A and a new permit was given for the Federal No. 6A at the same location with different footage. Because of the difference in footage we are assigning the Federal 6A a new API number. It also was assigned the API number 43-019-~~30143~~³⁰¹²⁸. The new API number assigned for the Federal No. 6A is 43-019-20415. Neither well is producing.

map
0176S 37

X 901113 per info. from
43-019-30128 / Fed. #6
the Federal #6A was never
drilled.

Approved-10-30-79
JAL - 10-30-80